

Serial No. 08/880,616
Art Unit No. 2755

In response to the Official Action dated October 12, 2000, the Applicants wish to amend the Patent Application as follows:

IN THE CLAIMS:

Cancel Claim 15.

Add Claims 19 and 20.

Amend Claims 1, 11 and 16 as follows:

Set E'
1. (Five Times Amended) Apparatus for providing scheduling at one time of a plurality of tasks of more than one application among processes in more than one computing node, each node having a plurality of local processes, comprising:

global scheduler means for dynamically creating a global prioritized schedule of said plurality of tasks of said more than one application to allow execution of different tasks of more than one application at the same time at the computing nodes; and

at least one local scheduler associated with each of said more than one computing node comprising means for receiving said global prioritized schedule, means for ascertaining which of said plurality of tasks are assigned tasks, being assigned to each of said plurality of local processes, [and] means for prioritizing said assigned processes, and means to update a local priority list to include said assigned processes in accordance with said global prioritized schedule to allow simultaneous execution of tasks from said more than one application.

Sub 11. (Four times Amended) A method for scheduling a plurality of tasks of more than one application among processes on at least one computing node, in a system having a global scheduler means and at least one computing node, each computing node having a local scheduler associated therewith and a plurality of local processes comprising the steps of:

providing application information to said global scheduler means;

Serial No. 08/880,616
Art Unit No. 2755

dynamically creating a global prioritized schedule of said plurality of tasks, said schedule including tasks of said more than one application;

communicating said global prioritized schedule to said more than one computing node;

determining correspondence between said plurality of tasks and said plurality of local processes; and

dynamically prioritizing said local processes in accordance with said global prioritized schedule to allow simultaneous execution of tasks from said more than one application.

Claim 16, line 1, change dependency by deleting "15" and inserting --14--.

19. (Added) The apparatus of Claim 1 wherein said global scheduler means is adapted to automatically update said local priority list.

20. (Added) The method of Claim 11 wherein said dynamically creating a global prioritized schedule of said plurality of tasks comprises the steps of: